

ABSTRACT OF THE DISCLOSURE

In the present invention, viruses, plasmids or both are constructed which contain viral DNA and *lox* sites positioned such that site-specific recombination between *lox* sites in separate plasmids results in generation of infectious viral DNA at high-efficiency in cotransfected host cells that have been engineered to express the Cre recombinase. Because of the high-efficiency and specificity of the Cre enzyme, suitably engineered plasmids can be readily recombined to produce infectious virus at high-efficiency in cotransfected 293 cells, without, at the same time, producing wild-type adenovirus, with the attendant problems for removal thereof. Use of recombinases besides Cre and recombinase recognition sites besides *lox* sites, and use of cells other than 293 cells are also disclosed and enabled, as are kits incorporating the site-specific vector system.

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FOI b7D b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z